

SHEET 1 OF 1**INFORMATION DISCLOSURE
STATEMENT***(Use several sheets if necessary)*

ATTY. DOCKET NO.

2001U011.US

SERIAL NO.

10/023,256

APPLICANT

Rex Eugene Murray

FILING DATE

12/18/2001

GROUP

1755**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mls</i>	AA	6,197,714 B1	03/06/2001	Bansleben et al.	502	103	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mls</i>	AJ	EP 0 950 667	10/20/1999	Europe				
	AK	WO 02/46246	06/13/2002	PCT				
	AL	WO 95/33497	12/14/1995	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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	AN	

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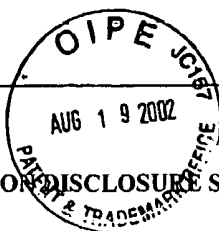
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Murray, Rex E.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mlb</i>	AA	6,096,676	08/01/2000	Murray	502	117	—
	AB						

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mlb</i>	AC	EP 0 320 169 A2	14.06.89	Europe				
	AD	EP 0 349 886 B1	20.09.95	Europe				
	AE	EP 0 509 233 A2	21.10.92	Europe				
	AF	EP 0 761 694 B1	12.03.97	Europe				
	AG	EP 0 803 520 A1	29.10.97	Europe				
	AH	DE 42 02 889 A1	05.08.93	Germany				
	AI	WO 92/12162	23.07.92	PCT				
	AJ	WO 96/23010	01.08.96	PCT				
	AK	WO 96/23101	01.08.96	PCT				
	AL	WO 96/33202	24.10.96	PCT				
	AM	WO 97/02298	23.01.97	PCT				

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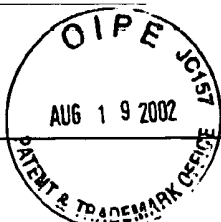
<i>mlb</i>	AN	Gibson et al., "Synthesis and structural characterisation of aluminum imino-amide and pyridyl-amide complexes: bulky monoanionic N,N chelate ligands via methyl group transfer" Journal of Organometallic Chemistry 550, (1998) 453-456.
	AO	Fuhrmann et al., "Octahedral Group 4 Metal Complexes That Contain Amine, Amido, and Aminopyridinato Ligands: Synthesis, Structure, and Application in α -Olefin Oligo- and Polymerization" Inorg. Chem 1996, 35, 6742-6745 (Feb.).
	AP	George J.P. Briotovsek et al., "Novel Olefin Polymerization Catalysts Based on Iron and Cobalt" Chem. Commun., 1998 849-850 (May).

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							YES	NO
<i>mb</i>	BC	WO 97/45434	04.12.97	PCT				
	BD							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>mb</i>	BE	Deelman et al., "Lithium Derivatives of Novel Monoanionic Di-N,N'-chelating Pyridyl- and Quinolyl-1-azaallyl Ligands" Organometallics 1997, 16, 1247-1252 (Aug.).
	BF	Deelman et al., "Novel monanionic di-N,N'-centered chelating ligands and the C ₁ and C ₂ symmetrical zirconium complexes" Journal of Organometallic Chemistry 513 (1996) 281-285 (Nov.).
	BG	Hitchcock et al., "Transformation of the Bis(trimethylsilyl)methyl into Aza-allyl and β-Diketimato Ligands; the X-Ray Structures of [Li{N(R)C(Bu) ¹ CH(R)}]₂ and [Zr{N(R)C(Bu) ¹ CHC(Ph)N(R)}Cl₂] (R = SiMe₃)" J. Chem. Soc., Chem. Commun. (1994) 2637-2638 (Aug.).
	BH	Hitchcock et al., "Transformation of the Bis(trimethylsilyl)methyl into a β-Diketimato Ligand; the X-Ray Structure of [Li(L'L')]₂, SnCl(Me)₂ (L'L') and SnCl(Me)₂ (LL), (L'L' = N(R)C(Ph)C(H)C(Ph)NR, LL = N)H)C(Ph)NH, R = SiMe₃)" J. Chem. Soc., Chem. Commun. (1994) 1699-1700 (May).
	BI	Clarke, et al., "Structural Investigations of the Dipyrromethene Complexes of Calcium(II), Nickel(II) and Copper(II)" Inorganica Chimica Acta. 166 (1989) 221-231 (Jun.).
	BJ	Tjaden et al. "Synthesis, Structures, and Reactivity of (R ₆ -acen)ZrR'₂ and (R ₆ -acen)Zr(R')⁺ Complexes (R = H, F; R' = CH₂Me, CH₂Ph)" Organometallics 1995, 14, 371-386 (Jul.).
	BK	Corazza et al., "cis-and trans-Dichloro-derivatives of Six- and Seven-coordinate Zirconium and Hafnium bonded to Quadridentate Schiff-base Ligands. Crystal Structures of [Zr(acen)Cl₂(thf)], [M(salphen)Cl₂(thf)] 0.5thf, [M(acen)Cl₂, (M = Zr or Hf), and [Zr(msal)Cl₂] acen = N,N'-ethylenebis(acetylacetonimine), salphen = N,N'-o-phenylenebis(salicylideneimine), msal = N-methylsalicylideneimine, and thf = tetrahydrofuran] J. Chem. Soc. Dalton Trans. (1990) 1335-1344 (Aug.).

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							YES	NO
	CC							
	CD							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>nd</i>	CE	Cozzi et al., "Oxazoline Early Transition Metal Complexes: Functionalizable Achiral Titanium(IV), Titanium(III), Zirconium(IV), Vanadium(III), and Chiral Zirconium(IV) Bis(oxazoline) complexes" Inorg. Chem (1995), 34, 2921-2930, (Dec.).
	CF	Korine et al., "Bis(Trimethylsilyl)benzamidinate zirconium dichlorides. Active catalysts for ethylene polymerization" Journal of Organometallic Chemistry 503 (1995) 307-314 (Mar.).
	CG	Gomez et al., "Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium" Journal of Organometallic Chemistry 491 (1995) 153-158 (Aug.).
	CH	Flores, et al., "[N,N'-Bis(trimethylsilyl)benzamidinato]titanium and-zirconium Compounds. Synthesis and Application as Precursors for the Syndiospecific Polymerization of Styrene" Organometallics 1995, 14, 1827-1833 (Oct.).
	CI	Dias et al., "N-Methyl-2(methylamino)troponimate Complexes of Tin(II), Gallium(III), and Indium(III). Syntheses of [(Me) ₂ ATI] ₂ Gal and [(Me) ₂ ATI] ₂ InCl Using the Tin(III) Reagent [(Me) ₂ ATI] ₂ Sn" Inorg. Chem. 1996, 35, 6546-6551 (Jun.).
	CJ	Cotton et al., "Structural Studies of formamidine compounds: from neutral to anionic and cationic species" Polyhedron vol. 16 No. 3 pp. 541-550, 1997 (Apr.).
	CK	Gornitzka et al., "Coordination of the Bis(pyridyl)methyl Substituent to Group I and 13 Metals" Organometallics 1994, 13, 4398-4405 (May).
	CL	Roesky et al., "Benzamidinatokomplexe mit Haupt- und Nebengruppen-Elementen - Strukturen von PhC(NSiMe ₃) ₂ TiCl ₂ and PhC(NSiMe ₃) ₂ MoO ₂ " Chem. Ber 121, 1403-1406 (1988) (Feb.).

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					YES NO
DC					
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DE	Cloke et al., "Zirconium Complexes incorporating the New Tridentate Diamide Ligand $[(Me_3Si)N(CH_2CH_2N(SiMe_3)_2)]^2-$ (L); the Crystal Structures of $[Zr(BH_4)_2L]$ and $[ZrCl(CH(SiMe_3)_2)L]$ " J. Chem Soc. Dalton Trans 1995 25-30 (Jul.).
DF	Linden et al., "Polymerization of α -Olefins and Butadiene and Catalytic Cyclotrimerization of 1-Alkynes by a New Class of Group IV Catalysts. Control of Molecular Weight and Polymer Microstructure via Ligand Turning in Sterically Hindered Chelating Phenoxide Titanium and Zirconium Species" J. Am.Chem. Soc. 1995, 117, 3008-3021 (Jul.).
DG	Brand et al. "Facile Reduction of a Dialkyl Zirconium(IV) Octaethylporphyrin (OEP) Complex by H_2 : Crystal Structure and Spectroscopic Characterization of $[(OEP)ZrCH_2SiMe_3]$ " Angew. Chem. Int. Ed. Engl. 1994 33, No.1 95-97 (Jul.).
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DI	Uhrhammer et al., "Cationic d^0 Metal Alkyls Incorporating Tetraaza-Macrocyclic Ancillary Ligands. Synthesis and Reactivity of $(Me_8taa)M(R)^+$ and $(Me_4taen)M(R)^+$ ($M = Zr, Hf$) Complexes" J. Am. Chem. Soc. 1993, 115, 8493-8494 (Apr.).
DJ	Giannini, et al., "Tetraaza[14]annulenezirconium (iv) Complexes with Butadiene Ligands and their Relationship with Bis(cyclopentadienyl)zirconium(IV) Complexes." Angew. Chem. Int. Ed. Engl. 1994, 33 No. 21 (May).
DK	Kol, et al., "Synthesis of Molybdenum and Tungsten Complexes That Contain Triamidoamine Ligands of the Type $(C_6F_5NCH_2CH_2)_3N$ and Activation of Dinitrogen by Molybdenum" J. Am. Chem. Soc. 1994, 116, 4382-4390, (Oct.).
DL	Bei et al., "Synthesis, Structures, Bonding, and Ethylene Reactivity of Group 4 Metal Alkyl Complexes Incorporating 8-Quinolinolato Ligands" Organometallics 1997, 16, 3282-3302 (Mar.).

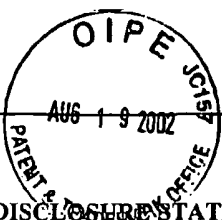
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						YES NO
EC						
ED						

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EE	Tsukahara, et al., "Neutral and Cationic Zirconium Benzyl Complexes Containing Bidentate Pyridine-Alkoxide Ligands. Synthesis and Olefin Polymerization Chemistry of $(pyCR_2O)_2Zr(CH_2Ph)_2$ and $(pyCR_2O)_2Zr(CH_2Ph)^+$ Complexes" Organometallics 1997, 16, 3303-3313 (Mar.)
EF	Kim et al., "Synthesis, Structures, Dynamics, and Olefin Polymerization Behavior of Group 4 Metal $(pyCAr_2O)_2M(NR_2)_2$ Complexes Containing Bidentate Pyridine-Alkoxide Ancillary Ligands" Organometallics 1997, 16, 3314-3323 (Mar.)
EG	Durfee et al., "Formation and Characterization of η^1 -Imine and η^2 -Azobenzene Derivatives of Titanium Containing Ancillary Aryloxide Ligations" Organometallics, vol. 9, No. 1, 1990, pp 75-80, (Jan.).
EH	Lappert et al., "Recent studies on metal and metalloid bis(trimethylsilyl) methyls and the transformation of the bis(trimethylsilyl)methyl into the azaallyl and β -diketiminato ligands" Journal of Organometallic Chemistry 500, (1995) 203-217, (Sep.).
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